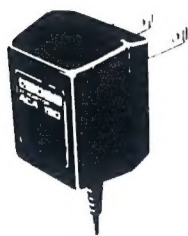


PRECAUTIONS

- When the CE-3 is not in use for a long period, remove the battery to prevent the trouble caused by the battery leakage.
- If the battery voltage drops, effect becomes inferior or no sound is produced. To prevent that, replace the battery.
- Be sure to keep the battery securely connected even while using the AC Adaptor, then the CE-3 will continued to operate even if the AC Adaptor cord comes out during performance.
- Unplug the cord from the INPUT jack when the CE-3 is not in use to avoid wasting the battery.

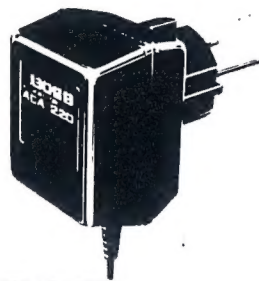
AC ADAPTOR (OPTION)



BOSS ACA-120
FOR 117V AC



BOSS ACA-240
FOR 240V AC



BOSS ACA-220
FOR 220V AC

SPECIFICATIONS

Power	Battery 9V (1), AC Adaptor (BOSS ACA series)
Power Consumption	13mA at 9V
Controls	RATE knob, DEPTH knob, STEREO MODE switch
Others	NORMAL/EFFECT selector switch (PEDAL SWITCH), Indicator
Jacks	INPUT jack, OUTPUT jacks A & B, AC Adaptor
S/N Ratio	over 90 dB (IHF A)
Maximum Output Level	0 dB m (100 Hz), -10 dBm (1 kHz)
Input Impedance	1MΩ (FET Input)
Output Load Impedance	over 10kΩ
Dimensions	70(W) x 55(H) x 125(D) mm/ 2-3/4(W) x 2-1/4(H) x 5"(D) inches
Weight	400g/14 oz

* Specifications are subject to change without notice.

BOSS
Products of Roland

Printed in Japan Jul. '87 E-3

BOSS

CE-3 Chorus INSTRUCTIONS

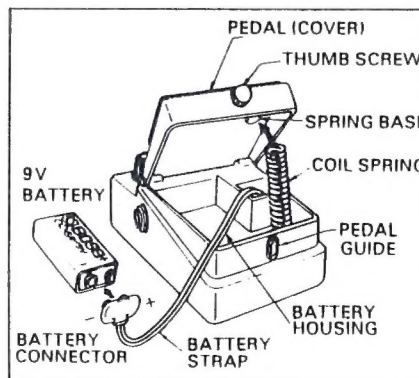
Adopting the stereo-out system, the BOSS effect unit CE-3 is able to produce extremely rich chorus sounds. By controlling the RATE and the DEPTH knobs and the STEREO MODE switch, you can obtain wide variations of the chorus sounds. Moreover, the CE-3 is designed to be noise free, i.e. the S/N ratio is more than 90 dB (IHF-A). Also, you can easily see whether the effect is on or off by the indicator which lights up when the CE-3 is in effect mode.



• Please read the instructions carefully.

CAUTIONS FOR REPLACING AND HANDLING BATTERY REPLACING BATTERY USE 9-VOLT BATTERY.

- ① Loosen the screw of pedal to open it and pull battery out.
 - ② Replace the battery with a fresh one and put it into position.
 - ③ Set coil spring onto the projection on the rear of the pedal and shut the cover (pedal). Finally, insert the screw into the pedal guide and tighten it.
- At this time, be careful not to catch the battery strap in the cover or coil spring.



Bescheinigung des Herstellers / Importeurs

Hiermit wird bescheinigt, daß der/die/das
CHORUS CE 3
(Gerät, Typ, Bezeichnung)

In Übereinstimmung mit den Bestimmungen der
Antragsl. Vfg. 1046 / 1984
(Anmelddatenverfügung)

funk. entsteht ist.
Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes
angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung
der Bestimmungen eingeräumt.

Roland Corporation Osaka / Japan
Name des Herstellers / Importeurs

CE-3

RADIO AND TELEVISION INTERFERENCE

Warning - This equipment has been verified to comply with the limits for a Class B computing device, pursuant to Subpart J, of Part 15, of FCC rules. Operation with non-certified or non-verified equipment is likely to result in interference to radio and TV reception.

The equipment described in this manual generates and uses radio-frequency energy. If it is not installed and used properly, that is, in strict accordance with our instructions, it may cause interference with radio and television reception.

This equipment has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J, of Part 15, of FCC Rules. These rules are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by the following measure:

- Disconnect other devices and their input/output cables one at a time. If the interference stops, it is caused by either the other device or its I/O cable.
- These devices usually require Roland designated shielded I/O cables. For Roland devices, you can obtain the proper shielded cable from your dealer. For non-Roland devices, contact the manufacturer or dealer for assistance.

If your equipment does cause interference to radio or television reception, you can try to correct the interference by using one or more of the following measures:

- Turn the TV or radio antenna until the interference stops.
- Move the equipment to one side or the other of the TV or radio.
- Move the equipment farther away from the TV or radio.
- Plug the equipment into an outlet that is on a different circuit than the TV or radio. (That is, make certain the equipment and the radio or television set are on circuits controlled by different circuit breakers or fuses.)
- Consider installing a rooftop television antenna with coaxial cable lead-in between the antenna and TV.

If necessary, you should consult your dealer or an experienced radio/television technician for additional suggestions. You may find helpful the following booklet prepared by the Federal Communications Commission:

"How to Identify and Resolve Radio-TV Interference Problems"

This booklet is available from the U.S. Government Printing Office, Washington, D.C., 20402, Stock No. 004 000 00345 4

OUTPUT jacks A & B

These are output jacks to connect the amplifier to.

AC Adaptor jack

This is to connect the AC Adaptor (BOSS ACA series) to.

Pedal Switch

This Pedal Switch is used to turn the effect on or off.

* Adopting the FET switching system, this Pedal Switch is released from the click noise, which makes even more successful studio recording possible.

Indicator

If you press the Pedal, this Indicator lights up, displaying that the effect is on. It goes out in pressing it again showing that the effect is off. * If the indicator fails to light or become dimmer, replace the battery with a new one.

Thumb Screw

Loosen this screw when replacing the battery. * Do not remove the screw from the Pedal.

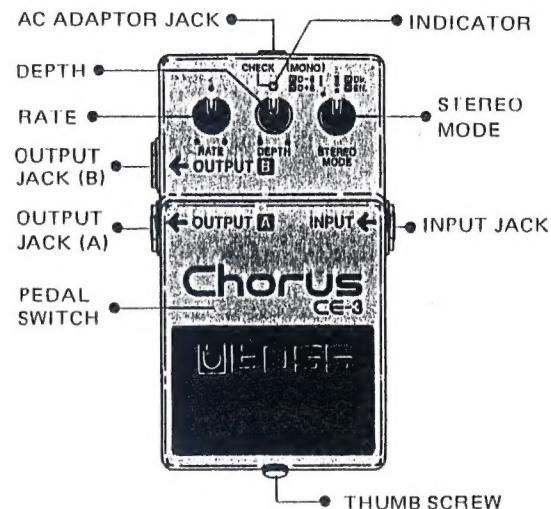
OPERATION



Set the knobs as shown left.

- 1 Press the Pedal Switch down, and the Indicator lights up displaying that the effect is on. It goes out in pressing it again showing that the effect is off. If the Indicator fails to light up or becomes dimmer, replace the battery with a new one.
- 2 Adjust the rate of the effect by using the RATE knob.
- 3 Adjust the depth of the effect by using the DEPTH knob. * As you turn the RATE knob clockwise, the depth of the effect will grow deeper.
- 4 Select the mode you like with the STEREO MODE switch.

NAME & FUNCTIONS



RATE knob

This knob is to control the rate of the chorus effect. As you turn it clockwise, the rate of the effect will be quickened.

DEPTH knob

This knob controls the depth of the effect. As you turn it clockwise, the depth of the effect will become deeper.

STEREO MODE switch

MODE I The chorus effect is obtained from the both A and B output jacks. * If using only one amplifier, set this switch to **MODE I (MONO)**, and connect it to either A or B OUTPUT jack.

MODE II . . . The sound whose pitch changes alternately will be obtained from the OUTPUT jack A, while a normal sound is heard from the OUTPUT jack B.

* Connect the amplifiers to the OUTPUT jacks A and B, and the chorus effect is obtained.

* If you use only one amplifier, do not set the STEREO MODE switch to the **MODE II** position. Otherwise the chorus effect is not obtained.

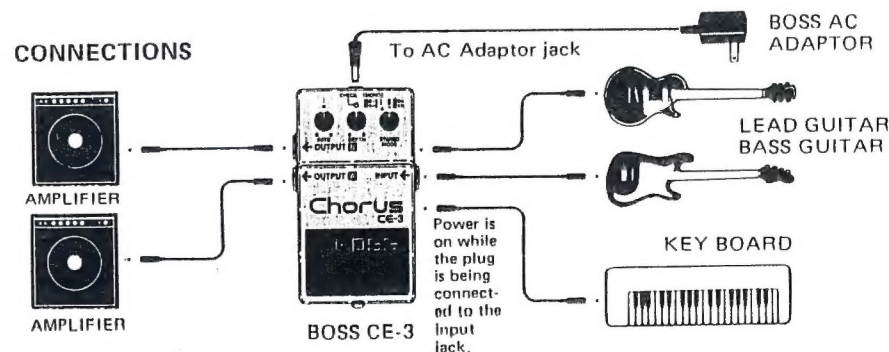
INPUT jack

This is the input jack used to connect the musical instrument such as a guitar to.

Important Notes

- Use only the BOSS AC Adaptor ACA 120, 220 or 240 depending on the voltage system in your country.
- Do not use the CE-3 in the place of extreme heat or humidity, or where it may be affected by dust.
- The battery (one Dry Battery, 9V) will last for 20 to 50 hours (manganese) or 35 to 70 hours (alkaline), depending on the conditions. The use of a BOSS ACA-Adaptor and alkaline battery is recommended for a longer time performance.

CONNECTIONS



When the amplifiers are connected to the OUTPUT jacks A and B, the chorus sound obtained in Mode I is different from that in Mode II. Select the chorus sound you like by

changing the mode. The chorus sound also varies depending on the distance between the speakers. Place the speakers where you can obtain the favourite chorus sound.

(Remember to disconnect the plug from the INPUT jack when the CE-3 is not to be used)

CE-3